



**INTER AMERICAN UNIVERSITY OF PUERTO RICO
GUAYAMA CAMPUS
DEPARTMENT OF NATURAL SCIENCES AND TECHNOLOGY**

**Curricular Sequence
Bachelor of Science in Chemistry (CODE 132)**

General Education Requirements 45 credits
 Major Requirements 70 credits
 Prescribed Distributive Requirements - 6 or 7 credits
 Elective Courses 3 credits
Total- 124 o 125

First year													
First Semester				A	P	Cr	Second Semester				A	P	Cr
GEIC 1010	Information and Computing Technologies					3	CHEM 1111	General Chemistry I					4
GEMA 1200	Fundamentals of Algebra					3	MATH 1500	Precalculus					5
BIOL 1101	General Biology I					3	GEEN 1102	English as a Second Language II: Reading					3
BIOL 1103	Biology Skills Laboratory I					1	GESP 1102	Literature and Communication: Essay and Theatre					3
GEEN 1101	English as a Second Language I: Oral Communication					3							
GESP 1101	Literature and Communication: Narrative and Poetry					3							15
Second year													
First Semester				A	P	Cr	Second Semester				A	P	Cr
CHEM 2212-	General Chemistry II					4	CHEM 2221-	Organic Chemistry I					4
MATH 2251	Calculus I					5	MATH 2252-	Calculus II					4
PHYS 3001-	General Physics I					4	PHYS 3002	General Physics II					4
GECF 1010	Introduction to the Christian Faith					3	GESP 2203-	Literature and World View					3
Total						16	Total						15
Third year													
First Semester				A	P	Cr	Second Semester				A	P	Cr
CHEM 2222	Organic Chemistry II					4	CHEM 3910	Physical Chemistry: Thermodynamics					4
CHEM 3320	Analytical Chemistry					4	CHEM ____	Prescribed Distributive Requirements (I)					3
GEHS 2010	Historical Process of Contemporary Puerto Rico					3	GEPE 4040	Ethics and Social Responsibility					3
GEEN 1103	English as a Second Language III: Writing					3	CHEM 3230	Structure Determination by Spectroscopic Analysis					3
CHEM 3400	Computation Laboratory and Its Applications to Chemistry					2	GEPE 3010 GEPE 3020 GEPE 3030	Seleccionar un curso: Art Appreciation Music Appreciation Theatre Appreciation					3
Total						16	Total						16

Fourth year													
First Semester				A	P	Cr	Second Semester				A	P	Cr
CHEM 3920	Physical Chemistry: Quantum and Kinetic					4	CHEM 4240	Instrumental Analytical Chemistry					5
CHEM 4200	Advanced Inorganic Chemistry					3	CHEM 4965	Senior Seminar					3
CHEM ____	Prescribed Distributive Requirements(2)					3	GEHP 3000	Integral Health and Quality of Life					3
GEHS 3020	Seleccionar un Curso: Global Society					3							
GEHS 3050	Human Formation, Society, and Culture												
GEHS 4020	Ancient and Medieval Western Civilization												
GEHS 4030	Modern and Contemporary Western Civilization												
GEEC 2000	Entrepreneurial Culture					3	ELECTIVE	Elective Courses					3
Total						16	Total						14

Prescribed Distributive Requirements - 6 or 7 credits

A minimum of six (6) credits from the following courses is required:

Curso	Descripción del Curso	Créditos
CHEM 3360	Food Chemistry	3 créditos
CHEM 3370	Green Chemistry	3 créditos
CHEM 3380	Introduction to Nanotechnology	4 créditos
CHEM 3390	Biotechnology for Chemists	3 créditos
CHEM 397_	Special Topics	3 créditos
CHEM 4220	Biochemistry	4 créditos

Revised: september 2022